

Title (en)

Supply unit of bobbins of wrapping material in a cigarette packing machine and process for pick-up and transfer of the same bobbins

Title (de)

Vorrichtung zum Zuführen von Rollen aus Einschlagmaterial in einer Zigarettenverpackungsmaschine und Verfahren zum Aufnehmen und Transportieren dieser Rollen

Title (fr)

Unité d'alimentation de bobines de matériau d'emballage dans une machine d'emballage de cigarettes et méthode pour prélever et transférer ces bobines

Publication

EP 0994057 A1 20000419 (EN)

Application

EP 99120328 A 19991012

Priority

IT SV980058 A 19981014

Abstract (en)

The invention relates to a supply unit of bobbins (2) of materials, in particular of bobbins of wrapping material in form of a band and in the cigarette packing machines, comprising a bobbin carrier reservoir (11) equipped with means of supplying the bobbins to a pick-up station and a pick-up device (15) that transfers the bobbins from said reservoir onto the mandrel (107) unwinding the same, as the path of the bobbin to the pick-up station and the one of the pick-up device are paths intersecting each other and sensors being provided on the pick-up device to detect at least two sections or points diametrically opposed of the external perimeter and/or internal perimeter of the bobbin in the pick-up station, whereas the signals of the sensors are fed to a box that controls the drive of the motion of the bobbin itself and/or of the pick-up device. The invention also relates to a process of pick-up and transfer of the same bobbins. <IMAGE>

IPC 1-7

B65H 19/12

IPC 8 full level

B65H 19/12 (2006.01)

CPC (source: EP)

B65H 19/123 (2013.01); **B65H 2301/3251** (2013.01); **B65H 2301/41324** (2013.01); **B65H 2301/41722** (2013.01); **B65H 2405/462** (2013.01)

Citation (search report)

- [DA] EP 0710614 A1 19960508 - SASIB SPA [IT]
- [A] EP 0188787 A2 19860730 - NIEPMANN & CO MASCHF FR [DE]
- [A] EP 0775659 A2 19970528 - FOCKE & CO [DE]
- [A] EP 0349705 A2 19900110 - KLEINWEFERS GMBH [DE]
- [A] US 4521966 A 19850611 - KARLSSON THOMAS [SE]

Cited by

EP1256538A3; ITTO20110117A1; CN114084441A; CN1294060C; EP2246282A1; CN102414101A; IT202000030656A1; US9120636B2; US7984603B2; US6767318B2; WO2007118537A1; WO2012107906A1; US7201553B2; WO02092483A1; WO2010125051A1; WO2022130428A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0994057 A1 20000419; **EP 0994057 B1 20030618**; DE 69908882 D1 20030724; DE 69908882 T2 20040519; IT 1305419 B1 20010504; IT SV980058 A0 19981014; IT SV980058 A1 20000414

DOCDB simple family (application)

EP 99120328 A 19991012; DE 69908882 T 19991012; IT SV980058 A 19981014